

8017

1. The first group of people who are interested in the results of the study are the researchers themselves. They need to know the results of the study in order to evaluate the effectiveness of the intervention and to make any necessary adjustments.

6. A method in accordance with claim 1, wherein the network comprises:

7. A method in accordance with claim 1, wherein:

said spooling server is located outside said gateway firewall.

the print job is forwarded to the spooling server as web-style traffic and received at the printer polling device as web-style traffic.

the print job is forwarded to the spooling server such that reconfiguration of the gateway firewall is not required.

10. A method in accordance with claim 1, wherein:

the printer polling device is located at and in communication with a second local area network; and

the spooling server is located outside of the first and second local area networks.

11. A method in accordance/with claim 10, wherein:

the print job source communicates with the spooling server via a first gateway firewall which controls access to the first local area network; and

the printer polling device communicates with the spooling server via a second gateway firewall which controls access to the second local area network.

12. A method in accordance with claim 1, wherein:

the spooling server is capable of storing multiple print jobs in at least one spooling queue.

13. A method in accordance with claim 1, further comprising:

providing for encryption of the print job at a print
job source; and

providing for decryption of the print job at the printer polling device.

DECEMBER 1999 *Journal of the American Academy of Child and Adolescent Psychiatry* 38:12

storing each print job at the spooling server according to a personal identification number (PIN).

807

[illegible]

od in accordance
ating from said
ng device a list o
are stored at the
g for the selection
od in accordance
a plurality of p
ing to the PIN.
in accordance with
is provided to the
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
of available print
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
n of an available p
ociated with the pr

od in accordance
ating from said
ng device a list o
are stored at the
g for the selection
od in accordance
a plurality of p
ing to the PIN.
in accordance with
is provided to the
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
of available print
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
n of an available p
ociated with the pr

od in accordance
ating from said
ng device a list o
are stored at the
g for the selection
od in accordance
a plurality of p
ing to the PIN.
in accordance with
is provided to the
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
of available print
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
n of an available p
ociated with the pr

od in accordance
ating from said
ng device a list o
are stored at the
g for the selection
od in accordance
a plurality of p
ing to the PIN.
in accordance with
is provided to the
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
of available print
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
n of an available p
ociated with the pr

od in accordance
ating from said
ng device a list o
are stored at the
g for the selection
od in accordance
a plurality of p
ing to the PIN.
in accordance with
is provided to the
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
of available print
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
n of an available p
ociated with the pr

od in accordance
ating from said
ng device a list o
are stored at the
g for the selection
od in accordance
a plurality of p
ing to the PIN.
in accordance with
is provided to the
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
of available print
ace associated with
ephone, a computer,
nine, a scanner, a
dedicated terminal;
n of an available p
ociated with the pr

25. A method in accordance with claim 1, further comprising:

1. The first group of people who are interested in the study of the history of the world are the historians. They are people who study the past and try to understand what happened and why it happened. They use a variety of sources, including books, documents, and artifacts, to reconstruct the past.

providing for a designated lifetime of the print job, wherein said print job will be stored only for the designated lifetime.

26. A method in accordance with claim 1, further comprising:

providing for a designated number of printings of said print job, wherein said print job can only be printed the designated number of times.

27. A method in accordance with claim 26, wherein:

the print job is one of a negotiable instrument, a stamp, a coupon, a certificate, a check, a unit of currency, a token, or a receipt.

28. A method in accordance with claim 1, further comprising:

providing for the designation of one or more recipients of said print job, wherein the print job can only be printed by the designated one or more recipients.

29. A method in accordance with claim 1, wherein the printer polling device communicates printer status to the spooling server.

009040303030

2017

BAZ

notifying a printer operator when said printer status indicates that the printer requires attention.

providing the operator with vendor contact information to facilitate obtaining printer supplies or service.

providing for automatic on-line ordering of printer supplies as required by printer status.

34. A method in accordance with claim 1, wherein the print job comprises at least one of a document, a poster, an image, a coupon, a ticket, a certificate, a check, a list, a schedule, a periodical, a unit of currency, a negotiable instrument, postage, a bill of lading, a lottery or gaming ticket, a token, food stamps, a license, a permit, a pass,

38. A method in accordance with claim 35, wherein the client device periodically polls the spooling server.

39. A method in accordance with claim 1, wherein communications with the spooling server are enabled via at least one of a telephone, a personal digital assistant device, a computer, an Internet appliance, a web browser, or a dedicated terminal.

40. A method in accordance with claim 1, further comprising providing a communication device for providing the status of the print job stored on the spooling server.

41. A method in accordance with claim 40, wherein the status of the print job comprises at least one of filename, file size, author, creation date, print job lifetime, image, title, contents, personal identification number, recipient, job number, or reference number.

42. A method in accordance with claim 40, wherein the communication device comprises one of a telephone, a computer, an Internet appliance, a personal digital assistant device, or a dedicated terminal.

Feb 8a, 1
43. A method in accordance with claim 1, wherein the print job source is one of a computer, a personal digital assistant device, an Internet appliance, a facsimile machine, a scanner, a telephone, or a dedicated terminal.

44. A method in accordance with claim 1, wherein said printer polling device is capable of polling multiple spooling servers.

45. A method in accordance with claim 1, further comprising:
providing for the communication between said spooling server and other servers; and
receiving a print job from at least one of the other servers at the spooling server.

46. A spooling server for receiving, storing, and forwarding a print job over a network, comprising:
memory for storing said print job at said spooling server;
a receiver for receiving said print job at said spooling server, said receiver adapted to receive a polling request for said print job at said spooling server from a printer polling device; and
a transmitter for forwarding said requested print job from the spooling server to the printer polling device.

said printer polling device is located within a gateway firewall; and

56. A spooling server in accordance with claim 55, wherein:
the print job source communicates with the spooling
server via a first gateway firewall which controls access
to the first local area network; and

the printer polling device communicates with the spooling server via a second gateway firewall which controls access to the second local area network.

57. A spooling server in accordance with claim 46, wherein the memory comprises at least one spooling queue for storing multiple print jobs.

58. A spooling server in accordance with claim 46, wherein:
the print job is encrypted at a print job source; and
the print job is decrypted at the printer polling device.

59. A spooling server in accordance with claim 46, wherein the print job comprises a document provided by a content provider.

60. A spooling server in accordance with claim 59, wherein said content provider is one of a newspaper, a magazine, a periodical, a document provider, a graphic arts provider, a notification service, an Internet content provider, a merchant, a financial institution, a government agency, or a shipping company.

62. A spooling server in accordance with claim 59, wherein the print job is provided by the content provider on a subscription basis.

64. A spooling server in accordance with claim 46, wherein:
the memory stores each print job at the spooling
server according to a personal identification number (PIN).

65. A spooling server in accordance with claim 64, wherein:
 said spooling server communicates to said printer
 polling device a list of print jobs associated with the PIN
 which are stored at the spooling server; and
 the selection of a print job is provided for.

66. A spooling server in accordance with claim 64, wherein:
the memory is capable of storing a plurality of print
jobs according to the PIN.

67. A spooling server in accordance with claim 64, wherein:

the print job is printed at the desired print location when the printer polling device at the desired print location polls the spooling server and identifies the print job.

said print job is made available for printing from the spooling server only at the designated substantially specific time.

70. A spooling server in accordance with claim 46, wherein:
a lifetime of the print job is designated, wherein
said print job will be stored only for the designated
lifetime.

71. A spooling server in accordance with claim 46, wherein:
a number of printings of said print job is designated,
wherein said print job can only be printed the designated
number of times.

72. A spooling server in accordance with claim 71, wherein:
the print job is one of a negotiable instrument, a stamp, a coupon, a certificate, a check, a unit of currency, a token, or a receipt.

73. A system in accordance with claim 46, wherein:
one or more recipients of said print job are
designated, wherein the print job can only be printed by
the designated one or more recipients.

78. A spooling server in accordance with claim 74, wherein:
automatic on-line ordering of printer supplies as
required by printer status is provided.

the directory is presented at the printer polling device; and

for selection of a print job from the directory is provided for.

82. A spooling server in accordance with claim 81, wherein the directory is presented via one of a visual presentation or an audio presentation.

83. A spooling server in accordance with claim 80, wherein the client device periodically polls the spooling server.

84. A spooling server in accordance with claim 46, wherein communications with the spooling server are enabled via at least one of a telephone, a personal digital assistant device, a computer, an Internet appliance, a web browser, or a dedicated terminal.

85. A spooling server in accordance with claim 46, wherein a communication device for providing the status of the print job stored on the spooling server is provided.

86. A spooling server in accordance with claim 85, wherein the status of the print job comprises at least one of filename, file size, author, creation date, print job lifetime, image, title, contents, personal identification number, recipient, job number, or reference number.

87. A spooling server in accordance with claim 85, wherein the communication device comprises one of a telephone, a computer, an Internet appliance, a personal digital assistant device, or a dedicated terminal.

88. A spooling server in accordance with claim 46, wherein the print job source is one of a computer, a personal digital assistant device, an Internet appliance, a facsimile machine, a scanner, a telephone, or a dedicated terminal.

89. A spooling server in accordance with claim 46, wherein said printer polling device is capable of polling multiple spooling servers.

90. A spooling server in accordance with claim 46, wherein:
said spooling server is capable of communicating with other servers; and
said spooling server is capable of receiving a print job from at least one of the other servers.

Feb 20/1